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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,799	05/05/2006	Vagner Fuzetti	LAM002 US	8737

7590 08/14/2007  
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EXAMINER

FISHMAN, MARINA

ART UNIT	PAPER NUMBER
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2832

MAIL DATE	DELIVERY MODE
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08/14/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/578,799	<b>Applicant(s)</b> FUZETTI ET AL.	
	<b>Examiner</b> Marina Fishman	<b>Art Unit</b> 2832	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 05 May 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☒ Claim(s) 2-8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received:

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>08/07/07</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***General status***

1. This is a First Action on the Merits. Claims 1 - 8 are pending in the case and are being examined.

### ***Specification***

2. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

#### **Arrangement of the Specification**

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
  - (1) Field of the Invention.
  - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

***Claim Objections***

3. Claims 1 – 8 are objected to because of the following informalities:

Claim 1, line 8 “the or each” should be changed to –each--.

Claim 2, line 1 “Switchable electrical interconnection” should be changed to –A switchable electrical interconnection—; and Claims 3 - 8, line 1 “An switchable electrical interconnection” should be changed to –The switchable electrical interconnection—.

Claim 2, line 4, “a second (“branch”) electrical conductor” should be changed to –a second electrical conductor--.

Claim 7, line 2 and Claim 8, line 2, “the or each” should be changed to –the first— (note that there is only one first electrical conductor recited in parent claim 2).

Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Silvius [US 2,669,611].

Silvius discloses a switchable electrical interconnection arrangement comprising:

- a busbar [76] mounted in an electrically insulating housing [12];

- means [19] for electrically connecting a feeder cable [feeder cable connected to 19, not shown) to the busbar within the housing;
- at least one connecting means [20] mounted in the housing for making electrical connection to a respective branch cable [connected to terminal 20] that is receivable within the housing;
- a switching arrangement [38, 42, 43] mounted within the housing for selectively making electrical connection between the or each branch cable and the busbar, the switching arrangement comprising a switch moveable between an ON and an OFF position whereby a cam [47] is rotatably driven so as to make and break electrical contact between an associated branch cable and the busbar.

Regarding Claim 1 Silvius disclose the instant claimed invention, however Silvius does not specifically disclose the current capacity of 30A, it would have been obvious to one of ordinary skill in the art at the time the invention was made to design the device to 30A capacity, in order to meet the load demand.

6. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over DE 1 115 804.

DE 1 115 804 discloses a switchable electrical interconnection arrangement comprising:

- a busbar [4, left] mounted in an electrically insulating housing [1];
- means [3, left] for electrically connecting a feeder cable [feeder cable not shown] to the busbar within the housing;
- at least one connecting means [3, right] mounted in the housing for making electrical connection to a respective branch cable [branch cable-not shown] that is receivable within the housing;
- a switching arrangement [6] mounted within the housing for selectively making electrical connection between the or each branch cable and the busbar, the switching arrangement comprising a switch moveable between an ON and an OFF position whereby a cam [9] is rotatably driven so as to make and break electrical contact between an associated branch cable and the busbar.

Regarding Claim 1 DE 1 115 804 disclose the instant claimed invention, however does not specifically disclose the current capacity of 30A, it would have been obvious to one of ordinary skill in the art at the time the invention was made to design the device to 30A capacity, in order to meet the load demand.

***Allowable Subject Matter***

7. Claims 2 - 8 are allowed, except for the claim objection stated above.

The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest, in combination with the

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claimed elements, a switchable electrical interconnection arrangement having a resiliently-biased support plate with aperture for receiving a second electrical conductor which introduced to a second channel of a cable holder within a housing, when the support plate is moved by an external force from a first position to a stop position; and removal of the external force allows the support plate to move back to a second position, thereby to retain the second conductor within the second channel of the cable support; and "wherein the switching member is movable between its OFF position in which the cable holder is retained spaced apart from the first electrical conductor, and its ON position in which the support plate and the cable holder are moved, under the restoring force of the resilient biasing, to a third position in which the second channel of the cable holder encompasses the second electrical conductor, thereby effecting electrical connection between the first and second electrical conductors."

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Barlian et al. [US 6,576,851], Huska [US 5,030,139], Greenberg et al. [US 2002/0122279], Freundner et al. [US 5,383,090], Miyazaki [US 5,990,424], Lockard [US 3,858,012], Ward et al. [US 6,630,637] all disclose switching arrangement. Applicant also should consider these references in response to this office action. Should issue arise concerning the rejection presented above, these references may be relied upon in a subsequent action to support the lack of novelty or obviousness of claimed subject matter to one of ordinary skill in the art.


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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marina Fishman whose telephone number is 571-272-1991. The examiner can normally be reached on 7-5 M-T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marina Fishman  
August 7, 2007

  
ELVIN ENAD  
SUPERVISORY PATENT EXAMINER  
09AUG07